

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

BEST AVAILABLE COPY

Applicant's or agent's file reference MCR/42356PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IB 2004/051048	International filing date (day/month/year) 29 June 2004	(Earliest) Priority Date (day/month/year) 30 June 2003
Applicant NOKIA CORPORATION ET AL		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (see Box No. II)

3. ☐ Unity of invention is lacking (see Box No. III)

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 2

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

PCT/IB 2004/051048

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04B 7/26, H04H 1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04B, H04H, H04N, H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI-DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9917470 A1 (TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)), 8 April 1999 (08.04.1999), abstract --	1-40
A	WO 0115345 A1 (TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)), 1 March 2001 (01.03.2001), abstract --	1-40
A	US 6072847 A (DUPUY, P ET AL), 6 June 2000 (06.06.2000), abstract --	1-40
P,X	WO 2004023695 A2 (NOKIA CORP), 18 March 2004 (18.03.2004), paragraphs [0037]-[0039] --	1-40

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

11 November 2004

Date of mailing of the international search report

11.6-11-2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Anders Edlund /LR
Telephone No. +46 8 782 25 00

BEST AVAILABLE COPY

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	US 20040120285 A1 (PAILA, T ET AL), 24 June 2004 (24.06.2004), paragraphs [0036]-[0040] --	1-40
P,A	EP 1404144 A1 (NOKIA CORP), 31 March 2004 (31.03.2004), paragraphs [0012]-[0013] -- -----	1-40

BEST AVAILABLE COPY

01/10/2004

PCT/IB 2004/051048

WO	9917470	A1	08/04/1999	AU	9371798 A	23/04/1999
				CA	2304536 A	08/04/1999
				EP	1021875 A	26/07/2000
				ZA	9808881 A	06/04/1999

WO	0115345	A1	01/03/2001	AU	6885800 A	19/03/2001
				CN	1371559 T	25/09/2002
				EP	1206851 A	22/05/2002
				US	6628642 B	30/09/2003

US	6072847	A	06/06/2000	AU	716194 B	24/02/2000
				AU	6583296 A	10/04/1997
				CA	2186523 A	27/03/1997
				EP	0766417 A	02/04/1997
				EP	0918404 A	26/05/1999
				FR	2739244 A,B	28/03/1997
				JP	9135476 A	20/05/1997
				US	6031829 A	29/02/2000

WO	2004023695	A2	18/03/2004	US	20040047311 A	11/03/2004

US	20040120285	A1	24/06/2004	WO	2004057762 A	08/07/2004

EP	1404144	A1	31/03/2004	US	20040057400 A	25/03/2004

BEST AVAILABLE COPY